

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES DBA DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES DBA DART AEROSPACE IS PROHIBITED.

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
		MM-DD-YY	T. CROSS

NOTES:

1. MATERIAL: POM-C BAR STOCK, ASTM D6778POM 0211 (WHITE)
2. INSPECT IAW DA189ATP-8
3. INSPECT GROOVE TOOL BEFORE AND AFTER PRODUCTION RUN TO ENSURE NO MEASUREABLE RADIUS

PROTOTYPE REVISIONS							
ZONE	REV.	DESCRIPTION	DATE	APPROVED	EFFECTIVITY	REASON CODE	REVISOR
-	PR1	INITIAL PROTOTYPE RELEASE	02-28-20	J. GARDINER	-	-	R. TAKAHASHI
ALL	PR2	ALL WASHERS CHANGED	07-08-21	P. BRAVO			T. CROSS
S1:A1 S1:D7 S5 S6	PR3	UPDATED NOTES UPDATED BOM ADDED .4015, .4016	11-09-21	P. BRAVO	CURRENT ORDER	MDI	NICK R.
S1:D7 S7 S8	PR4	UPDATED BOM ADDED .4017, .4018	11-17-21	P. BRAVO	CURRREN ORDER	MDI	NICK R.
S1 S2 S3	PR5	UPDATED BOM UPDATED NOTES REMOVED ALL OBSOLETE DESIGNS UPDATED CALLOUTS ADDED .4019	04-12-22	T. CROSS <i>T.C.</i>	CURRENT ORDER	MDI	NICK R.

2	654.4019	OCTA WASHER DIA .456" X .022"		
1	654.4011	OCTA WASHER DIA .456		
F/N	PART #	DESCRIPTION	MAT'L	SPEC.
QTY		PARTS LIST		
NEXT ASSY (S)		ORIGINAL DATE (MO-DA-YR) 21.08.10	<div>3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300</div>	
652.9300		DRAWN BY NR		
652.9200		CHECKER T. CROSS		
		DRAWING APPROVAL T. CROSS 21.11.17		
		CONTRACT No.	AW189 FRANGIBLE WASHER	
		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ± .5°	SIZE B	REV. PR5
		CAGE CODE 07MZ6	DWG. NO. 654.4000	
		SCALE NONE	SHEET 1 OF 3	

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A

B

C

D

.693

$\phi .234 \pm .002$

A

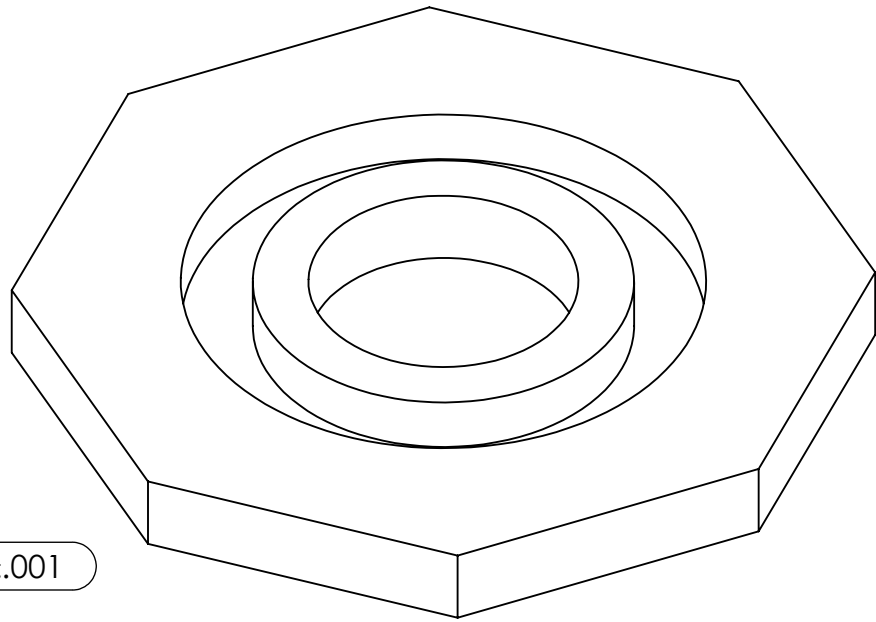
$\phi .331$

$\phi .456 \pm .002$

A

(REF .050)

$.020 \pm .001$



1 654.4011

90.00° "SHARP" TYP

3

.070

SECTION A-A

ORIGINAL DATE (MO-DA-YR)	21.08.10
DRAWN BY NR	CHECKER T. CROSS
DRAWING APPROVAL T. CROSS 21.11.17	
CONTRACT No.	

DART AEROSPACE
APICAL INDUSTRIES, INC.
dba DART AEROSPACE

3030 ENTERPRISE CT.,
SUITE A
VISTA, CA. 92081
(760)-724-5300

AW189 FRANGIBLE WASHER

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
2 PLACE DECIMALS $\pm .01$
3 PLACE DECIMALS $\pm .005$
ANGLES $\pm .5^\circ$

SIZE B	CAGE CODE 07MZ6	DWG. NO. 654.4000	REV. PR5
SCALE NONE			SHEET 2 OF 3

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A

B

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B

B

.693

$\phi .234 \pm .002$

$\phi .331$

(REF .048)

$.022 \pm .001$

$\phi .456 \pm .002$

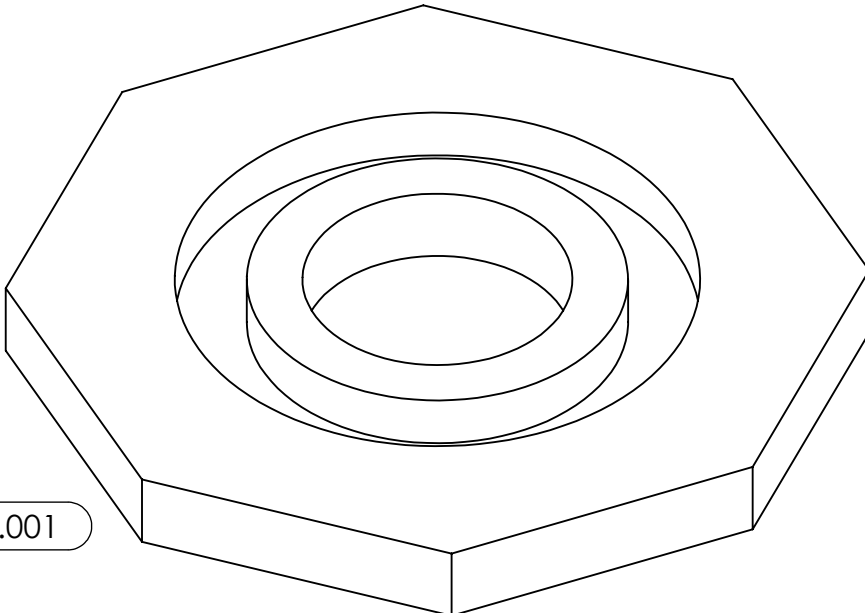
90.00° "SHARP" TYP

3

2 654.4019

.07

SECTION B-B



ORIGINAL DATE (MO-DA-YR)	21.08.10
DRAWN BY NR	CHECKER T. CROSS
DRAWING APPROVAL T. CROSS 21.11.17	
CONTRACT No.	

DART
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AW189 FRANGIBLE WASHER

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SIZE B	CAGE CODE 07MZ6	DWG. NO. 654.4000	REV. PR5
SCALE	NONE	SHEET	3 OF 3